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November 2015 news releases

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Prestigious Forestry Journal Publishes UM Students’ Research

November 30, 2015
MISSOULA – An international, peer-reviewed forestry journal recently published the results of research conducted by a class of students in the University of Montana’s College of Forestry and Conservation – an accomplishment typically reserved for professors and researchers.

Forest Ecology and Management published the paper, “Historical spatial patterns and contemporary tree mortality in dry mixed-conifer forests,” co-authored by graduate students Kate A. Clyatt, Justin S. Crotteau, Michael S. Schaedel and Haley Wiggins and recent undergraduate alumnus Harold Kelley. UM forest ecology Associate Professor Andrew Larson also contributed to the article, which is in the Feb. 1, 2016, edition of the journal and is online at [http://www.sciencedirect.com/science/article/pii/S0378112715006076](http://www.sciencedirect.com/science/article/pii/S0378112715006076).

“It’s certainly not common for students to produce published peer-reviewed research in a class,” Larson said. “This demonstrates how the College of Forestry and Conservation is a leader in bringing research and real-world applications into the classroom.”

Last fall, the five students in Larson’s advanced forestry class analyzed historical reconstructions of forest spatial structure across six plots and then measured tree mortality rates. Their analysis provided information about small-scale habitat variation in old-growth forests across the Northern Rockies. Their research also found that old-growth ponderosa pine mortality rates are very low — less than 1 percent per year, suggesting that these Montana forests have not yet experienced the increase in mortality seen at other sites across the West. The results of the research could help forest managers design forest restoration and climate change-adaptation treatments.

“Collaborating on such an instrumental and applied project has been an incredible experience for all of us,” Clyatt said. “I think the willingness of professors like Andrew Larson to take students under their wing and provide these exciting opportunities is one of the forestry program’s greatest strengths.”

Chris Keyes, a UM research professor of silviculture, advises master’s student Clyatt and doctoral candidate Crotteau. Larson advises Schaedel, a master’s student. Wiggins is earning a master’s degree in resource
conservation under the guidance of restoration ecology Associate Professor Cara Nelson.

**Contact:** Leana Schelvan, director of communications, UM College of Forestry and Conservation, 406-243-6693, leana.schelvan@umontana.edu.
MISSOULA – University of Montana Department of Anthropology Collections Curator C. Riley Auge recently earned an award for her 2013 dissertation. Auge, who earned her doctorate in anthropology from UM, will receive the 2016 Kathleen Kirk Gilmore Dissertation Award from the Society for Historical Archaeology on Wednesday, Jan. 6, 2016, in Washington D.C., during the society's annual conference.

Auge’s dissertation titled “Silent Sentinels: Archaeology, Magic and the Gendered Control of Domestic Boundaries in New England, 1620-1725” involved delving into the historic archaeological record of myth, ritual and religion. Specifically, Auge was interested in how magic is woven into the fabric of life in all cultures.

“’It is an ambitious work, in the best sense of the phrase within the anthropological tradition,’ wrote UM professors Kelly Dixon and John Douglas in their nomination letter. ’It seeks to comprehend human behavior broadly, while drawing on a diverse data set that focuses on everyday practice.’

In her dissertation, Auge establishes the use of magic and its context by drawing on a variety of scholarly sources: the interpretations of historians, the witch trial documents, diaries and letters, and general folklore works.
“We believe that with minimal editing, this dissertation can become a well-received and widely-read book,” Dixon and Douglas wrote.

The award panel selected Auge’s dissertation as an outstanding contribution to historical archaeology. Auge will receive $1,000 and a consideration for publication with the SHA.

Auge presently is writing an archaeological field handbook of magic and ritual. As a former Montana secondary school teacher, she uses her experience and training in curriculum and teaching to help shape educating the next generation of anthropologists; and to expand anthropology outside of academia to the community through public outreach events.

For more information on Auge’s research, call her at 406-249-5851 or email cynthiariley.auge@mso.umt.edu. For more information on the Kathleen Kirk Gilmore Dissertation Award email SHA Awards committee chair Terry Majewski at tmajewski@sricrm.com.

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**Contact:** C. Riley Auge, UM Department of Anthropology collections curator, 406-243-5525, cynthiariley.auge@mso.umt.edu.
UM Anthropology Alumna Wins National Award - UM News - University Of Montana
BlogHer Co-Founder to Deliver Gilkey Lecture at UM

November 25, 2015

MISSOULA – Lisa Stone, the former chief executive officer and co-founder of BlogHer, Inc., the leading cross-platform media network for women in social media, will deliver the Harold and Priscilla Gilkey Executive Lecture on Tuesday, Dec. 1, at the University of Montana.

Stone, a 1984 graduate of Missoula’s Hellgate High School, will present “Developing Community” at 5:30 p.m. in the University Center Ballroom. The event is free and open to the public.

During her lecture, Stone will share the BlogHer success story and how she built a business.
using social media. As an entrepreneur, she grew an idea for a grassroots conference into a leading independent publisher of women in blogs and social media with $30 million in annual revenue and a proprietary technology platform.

In 2014, Stone merged BlogHer with SheKnows Media, creating the No. 1 women’s lifestyle digital media company with more than 80 million monthly visitors and over 245 million social followers. As SheKnows Media’s chief community officer, Stone moderated a 2015 Town Hall meeting between President Barack Obama and 250 American working women. She also executive produced BlogHer’s conference series, the world’s largest for women in social media.

Stone’s honors include a Harvard Nieman Fellowship, a Fortune Most Powerful Entrepreneur Award and recognition as a Fast Company 100 Most Creative People in Business. She has written for The New York Times, the Los Angeles Times, the Oakland Tribune and The Huffington Post, among other publications.

The Gilkey lecture series was established in 2004 by Harold and Priscilla Gilkey to provide resources for UM’s School of Business Administration to host the nation’s top business leaders to share their knowledge, expertise and experiences with students, faculty members and the community.

For more information visit [http://www.business.umt.edu/executive/](http://www.business.umt.edu/executive/), call Tammy Yedinak at 406-243-6195 or email tammy.yedinak@mso.umt.edu.

**Contact:** Tammy Yedinak, dean’s executive assistant, UM School of Business Administration, 406-243-6195, tammy.yedinak@mso.umt.edu.
MISSOULA – University of Montana geography students are saving tigers – one map at a time.
The UM Department of Geography gave 12 student cartographers the chance to collaborate with Panthera, the world’s premiere big cat conservation organization. The students worked the past eight months to create a set of 14 topographic maps of Parsa Wildlife Reserve in Nepal. The maps they produced were the highest-resolution maps ever created of the park and will help define and secure vital ground for the tigers.

Until recently, the Parsa Wildlife Reserve in Nepal has received limited attention from the international conservation community. Poaching and human-wildlife conflict are the major threats to tigers in this region. In 2014, Panthera along with its partners, implemented the Tigers Forever strategy in the reserve, which trains and outfits law enforcement patrols to effectively secure protected areas, identify and protect tiger habitat and use cutting-edge camera technology to prevent poaching and protect and monitor tiger and prey populations.

Tigers Forever program field staff will use the UM-produced maps during anti-poaching patrols. According to UM lecturer Kevin McManigal, the cartographic manager on the project, the rangers need highly accurate, well-designed, field-ready topographic maps to conduct their patrols.

“These maps have the potential to literally change the family tree for these tigers,” said McManigal. “The students are very proud, and they should be.”

The project was presented to the UM students by Panthera as a test case. The UM team, comprising both undergraduate and graduate students, secured one-meter satellite imagery and began digitizing the features in the park. They contracted Airbus in France to generate a custom, 10-meter digital elevation model from Synthetic Aperture Radar data.

“They literally flew their satellite over the park for us,” McManigal said. Then, the UM team spent many hours in the lab creating the maps from the data points.

The Panthera managers were pleased with the outcome and presented the maps to Nepal’s environment minister this month. McManigal said the UM students will continue to work on projects with Panthera. The next one begins in January.

For more information call McManigal at 406-243-6691 or email kevin1.mcmanigal@umontana.edu.

Contact: Kevin McManigal, UM geography lecturer, 406-243-6691, Kevin.McManigal@mso.umt.edu.
UM Law Moot Court Teams Place First, Second at Regionals

November 25, 2015

MISSOULA – Two teams from the Alexander Blewett III School of Law at the University of Montana finished first and second at the National Moot Court northwest regional competition held at UM Nov. 20-21.

The winning team was made up of Jason Collins, Hannah Seifert and Adam Wade. The
team of Carrie Gibadlo, Paige Griffith and Tyler Stockton finished second. Gibadlo, Stockton, and Griffith won the best brief award, and Wade was awarded the best oralist.

The competition involved 12 teams from six law schools in Oregon, Washington, Idaho and Montana.

“They could not have performed any better,” said coach and law Professor Larry Howell.

The team of Seifert, Wade and Collins will advance to the final rounds in New York City in February. Normally the top two teams at regionals advance to the final rounds, but competition rules state that if the top two teams are from the same school, the third-place team advances instead of the second-place team.

The National Moot Court competition is the oldest and largest competition for law students, with teams from more than 120 schools participating every year in 15 regions. UM has one of the more successful records in the competition, advancing to the national finals 13 of the past 18 years and winning the award for the region’s best brief eight times during that period. The school is among the handful whose teams have won the national championship more than once. The team is co-coached by Associate Dean Andrew King-Ries.

Contact: Mike White, media information specialist, Alexander Blewett III School of Law at UM, 406-243-6509, michael.white@mso.umt.edu.
UM Law Moot Court Teams Place First, Second at Regionals - UM News - University Of Montana
Luke Bryan, Little Big Town, Dustin Lynch Concert Coming to UM

November 24, 2015

MISSOULA – Country music sensation Luke Bryan will perform at the University of Montana Adams Center on Thursday, April 21, 2016, as part of his “Kill the Lights” tour.” Tickets go on sale at 10 a.m. Friday, Dec. 4.

The opening acts will be Little Big Town and Dustin Lynch.

Tickets will be available by visiting http://www.griztix.com, calling 888-666-8262 or purchasing at all GrizTix locations, including Missoula’s Worden’s Market, the University Center Source, Southgate Mall and the MSO Hub.

Bryan is the reigning County Music Association Entertainer of the Year and a two-time Academy of Country Music Entertainer of the Year. His hits include “Rain is a Good Thing,” “Someone Else Calling You Baby,” “Crash My Party” and “Strip it Down.”

Bryan has sold more than 7 million albums and 27 million singles worldwide. The singer-songwriter has released five studio albums, including 2015’s “Kill the Lights.”
Luke Bryan, Little Big Town, Dustin Lynch Concert Coming to UM - UM News - University Of Montana

Contact: Jessie Schmidt, contact for Luke Bryan, 615-851-4917, jessie@schmidtpr.com; Brad Gentry, Live Nation-Northwest, 206-802-3120, bradgentry@livenation.com; Marlene Hendrickson, UM Productions adviser, 406-243-5448, marlene.hendrickson@mso.umt.edu.
Bitterroot College Hosts Holiday Open House

November 24, 2015

HAMILTON – Bitterroot College of the University of Montana will host a holiday open house from 4:30 to 6:30 p.m. Friday, Dec. 4, in its new location at 103 S. Ninth St. in Hamilton. The Montana A Capella Society will perform from 5:30 to 6 p.m.

All members of the Bitterroot Valley community are invited to attend and explore the college. The Bitterroot Fabrication Laboratory, or “Fab Lab,” located at 404 S. First St. and operated through the Bitterroot College Advanced Manufacturing program, also will be open during the holiday open house hours.

Attendees are encouraged to visit both locations to see the educational opportunities available to Bitterroot Valley residents.

Participants will have the chance to explore both buildings and meet students, faculty and staff members. Student and faculty presentations and research projects will be displayed in the classrooms, as well as in the art and science labs.
Refreshments will be provided by members of the Bitterroot College Advisory Council and by the Bitterroot Valley Chamber of Commerce.

For more information call Bitterroot College AmeriCorps member Kate Johnson at 406-375-0100 or email kjohnson@mtcompact.org.

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**Contact:** Kate Johnson, Bitterroot College AmeriCorps member, 406-375-0100, kjohnson@mtcompact.org.
MISSOULA – Just in time for the busy holiday travel season, visitors to Missoula’s International Airport will have the chance to experience a hands-on science exhibit.

The exhibit titled “Nano: The Science of Small” is featured within a new pop-up museum space hosted by the University of Montana spectrUM Discovery Area. The pop-up museum recently opened its doors on the second floor of the airport and will offer children of all ages the chance to explore the fascinating world of nanoscale science.

“We are extremely excited about this partnership,” said airport Advertising Manager Amanda Jacobson. “Now, when families are waiting for their flight, they can engage with a top-notch exhibit. The partnership is a win-win.”

“We hope that the next generation can get inspired about science and higher education, and we look for creative opportunities to introduce children to hands-on exploration,” said spectrUM Director Holly Truit. “We’re particularly excited to showcase nanoscience, which is an area that a number of talented UM researchers and students study in order to solve the problems of today.”
The free exhibition includes hands-on, interactive exhibits that invite exploration of nanoscience. It features STEM role model Joanna Kreitinger, a UM doctoral student studying cellular and molecular biology, whose research focuses on how environmental pollutants affect our ability to fight off infections and disease. She regularly uses nanoscience in these efforts.

“With over 670,000 travelers each year, the Missoula airport is an incredibly important hub for our community,” said UM Assistant Vice President for Marketing Mario Schulzke. “Partnering with the airport on this was a no-brainer. More than ever, there is so much cool science happening at UM and this pop-up museum gives us an opportunity share some of our amazing resources off campus and in a fun way.”

“The exhibit will rotate as time goes on,” said spectrUM STEM Education Manager Jessie Herbert. “There will continually be new and exciting hands-on ways for families to explore as they travel through the Missoula airport.”

“I believe we are the only airport in Montana to have a designated educational family area,” Jacobson said.

Committed to inspiring a culture of learning and discovery for all, spectrUM is an interactive science center that annually serves more than 50,000 Montanans through in-museum and mobile programming. The airport exhibit marks the museum’s third pop-up museum partnership. The first was hosted at the Missoula Public Library in April 2014 and the second was hosted at the Ravalli County Museum this past summer.

In Missoula, the public can visit spectrUM’s museum at 218 E. Front St. from 11 a.m. to 6 p.m. Wednesday through Friday and 10 a.m. to 5 p.m. Saturday. Admission costs $3.50 per person.

For more information call Herbert at 406-728-7836 or email jessie.herbert@umontana.edu.

Contact: Erika Palmer, director, UM Trademarks and Licensing, 406-243-2317, erika.palmer@umontana.edu.
UM Graduate Student Selected for Competitive Leadership Program

November 24, 2015

MISSOULA – Mina May, a University of Montana communicative sciences and disorders graduate student from Honolulu, recently was selected to participate in the American Speech-Language-Hearing Association’s competitive Minority Student Leadership Program.

She also earned a national award from the National Student Speech Language Hearing Association.

MSLP is a leadership development program established for undergraduate seniors, master’s degree students and doctoral candidates who are enrolled in communication sciences and disorders programs or are pursuing a research doctorate degree. More than 150 students applied for the 40 available program positions.

“Mina has been a tremendous asset to our department,” said Ginger Collins, associate professor in UM’s Department of Communicative Sciences and Disorders and May’s graduate adviser. “Not only has she taken on the demands of the graduate program with grace and enthusiasm, she has consistently demonstrated a willingness to embrace new challenges.”
The purpose of MSLP is to recruit and retain racial and ethnic minorities that have been historically under-represented in the professions of audiology and speech-language pathology; provide focused educational programming and activities to build and enhance leadership skills; provide an understanding of how the association works; and to provide an opportunity for program participants to interact with leaders in the professions of audiology, speech-language pathology, and speech, language and hearing sciences.

“ASHA’s dedication to invest in student leaders, who are historically under-represented racially and ethnically, has given me access to a unique community of people dedicated to cultural competence, diversity and advocacy,” May said.

“I have no doubt that the professional relationships I have developed and the access to networking I was given will be instrumental to my personal goals of incorporating indigenous and native peoples of Montana and Hawaii into our field of speech-language and hearing so that they may serve their own communities in need.”

May continues to represent the UM Department of Communicative Sciences and Disorders, part of the Phyllis J. Washington College of Education and Human Sciences, at a national level through various awards and acknowledgements. Recently, she earned the NSSLHA Member Honors award from the National Student Speech Language Hearing Association. This award is given on the basis of scholastic achievement, service to the recipient’s academic unit, professional conduct and service to NSSLHA.

“Mina is a model student of liberal arts education, she is a brilliant scientist, a leader in the field and nurturing colleague,” said Amy Glaspey, chair of UM’s Department of Communicative Sciences and Disorders. “I am always impressed with Mina’s ability to lead and to maintain strong academic excellence, by her thoughtfulness of others, and her drive to make connections amongst her classmates and professors. She excels at bringing people together in a collegial and fun environment.”

To learn more about the American Speech-Language Hearing Association or the Minority Student Leadership Program, visit http://www.asha.org/Students/MSLP-FAQs/#1. More information on the National Student Speech Language Hearing Association can be found online at http://www.asha.org/NSSLHA/default/.

To learn more about the Department of Communicative Sciences and Disorders at the UM call Communications Manager Peter Knox 406-243-4911 or email peter.knox@mso.umt.edu.

Contact: Peter Knox, communications manager, UM Phyllis J. Washington College of Education and Human Sciences, 406-243-4911, peter.knox@mso.umt.edu.
MISSOULA – An award-winning author who has taught writing at UCLA, Bennington College and the University of Iowa will read prose at the University of Montana on Friday, Dec. 4.

Bernard Cooper, UM’s Visiting Kittredge Writer, will present his reading at 7 p.m. in the Turner Hall Dell Brown Room. The event is free and open to the public.

“Bernard brings visual art and
Award-Winning Author to Read Prose at UM - UM News - University Of Montana

intersections of the avant-garde into the everyday workshop," said UM student Arianna Ascercion, who is working toward a Master of Fine Arts in fiction. "He's really engaged and wants to get to know each of his students."

Cooper has written a novel, four memoirs and a collection of short stories. His work has appeared in Story, Ploughshares, Harper’s, The Paris Review, The New York Times Magazine, five volumes of The Best American Essays, and has been read on NPR's “This American Life” and “Selected Shorts.”

He has won numerous awards and prizes, among them the PEN/Ernest Hemingway Award, an O. Henry Prize, a Guggenheim Fellowship and a fellowship from the National Endowment for the Arts.

To learn more about UM's Creative Writing Program and Cooper's presentation, call Karin Schalm, program coordinator, at 406-243-5267, email karin.schalm@mso.umt.edu or visit http://hs.umt.edu/creativewriting/.

Contact: Karin Schalm, UM Creative Writing Program coordinator, 406-243-5267, karin.schalm@mso.umt.edu.
UM Master’s Degrees in Education Land National ‘Best Value’ Rankings

November 23, 2015

MISSOULA – The University of Montana’s Phyllis J. Washington College of Education and Human Sciences offers two of the nation’s top 50 “Best Value” graduate programs in education, according to rankings released by Top Masters in Education.

The website, in two separate rankings, placed both UM’s master’s degree in curriculum and instruction and its master’s in educational leadership at No. 29 in the country, citing the programs’ commitment to preparing students working in public school settings to deliver high-level instruction and leadership.

“We are thrilled to receive this acknowledgement of our programs,” said Roberta Evans, dean of the Phyllis J. Washington College of Education and Human Sciences at UM. “With new endorsements being created and current licensure and non-licensure programs transitioning to online and blended formats, master’s degree programs in our college are helping meet many needs in Montana and the nation by producing well-prepared and ambitious educators.”

UM’s graduate program in curriculum and instruction incorporates the integration of ideas, cooperative endeavors,
and respect for learning and individual worth to successfully prepare education professionals who will work in K-12 classrooms, in teacher education programs and as district curriculum leaders.

"It is outstanding to see one of our high-caliber graduate programs in education recognized in this way," said Georgia Cobbs, chair of UM’s Department of Curriculum and Instruction. "Our department has a long history of strong graduate scholarship and now, more than ever, this program is leading the field through innovative and unique course offerings and endorsements."

The college's master's degree in educational leadership prepares existing educators to become principals upon completion of the program, which includes earning a Montana Class 3 Administrative License and a K-12 Principal Endorsement.

"We are very proud of our students and very proud of our accomplishments," said John Matt, chair of the Department of Educational Leadership. "They are successful leaders across the state, country and world, and this ranking reflects the effort that our faculty and college have invested in this quality program."

More information about the college’s master’s degrees in curriculum and instruction and educational leadership, as well as other programs the college offers, is online at http://www.coehs.umt.edu/departments.

**Contact:** Peter Knox, communications and outreach manager, Phyllis J. Washington College of Education and Human Sciences at UM, 406-243-4911, peter.knox@mso.umt.edu.
MISSOULA – John Quindry, director of Auburn University’s Cardioprotection Lab, will deliver two lectures in December at the University of Montana.

The first, “Exercise and Heart Attack Injury Prevention,” will be held at 3:40 p.m. Thursday, Dec. 3, in McGill Hall Room 210. The second, “Woodsmoke Exposure and Oxidative Stress Following Simulated Firefighting,” will be held at noon, Friday, Dec. 4, in Skaggs Building Room 169. Both are free and open to the public.

Quindry is a leading expert in the cardio-protective effects of exercise, oxidative stress and antioxidant protection. He has published more than 75 manuscripts in leading peer-reviewed journals, and earned many externally funded grants. He also has collaborated with a number of investigators at UM.

For more information on Quindry’s lab visit http://www.education.auburn.edu/initiatives/cardioprotection-lab/.

The lectures are supported by UM’s Faculty Professional Enhancement Visiting scholar grant, Department of Health and Human Performance, Department of Biomedical and Pharmaceutical Sciences, the Montana Center for Work
Sports Medicine Expert to Deliver Two Lectures at UM - UM News - University Of Montana

Physiology and Exercise Metabolism, and the Phyllis J. Washington College of Education and Human Sciences.

For more information call UM Professor Charles Dumke at 406-243-6176 or email charles.dumke@umontana.edu.

Contact: Charles Dumke, UM Health and Human Performance program, 406-243-6176, charles.dumke@umontana.edu.
Google Grants UM Professor Research Award

November 20, 2015

MISSOULA – University of Montana forest landscape ecology Associate Professor Solomon Dobrowski recently received a Google Earth Engine Research Award to estimate how changes in both land cover and climate affect ecosystems across the entire globe. The grant will allow Dobrowski and a UM doctoral candidate to use Google Earth Engine to analyze complex geospatial datasets.

Last year, UM Professor Brady Allred received a similar research grant. The grants allow Allred and Dobrowski to access Google’s expansive database of global
satellite imagery for research. Allred used the data to assess the impact and recovery of North American oil and gas development.

Dobrowski will measure the rate of climate change and land cover change by analyzing land surface temperature data collected by Earth-observing satellites. It will allow him to identify regions where land surface conditions and climate are changing rapidly. He plans to create a monitoring framework and establish baseline measurements from which to assess ongoing changes in land surface temperatures across the globe.

“By using Google’s technical and computing capabilities and partnering with their scientists, we can address earth science problems at scales larger than we could previously imagine given our existing resources,” Dobrowski said.

Dobrowski and Allred are the only two UM professors to receive the research award. Recipients are full-time faculty members at top universities around the world and are selected after a rigorous internal review process by Google.

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**Contact:** Solomon Dobrowski, associate professor of forest landscape ecology, 406-243-6068, solomon.dobrowski@umontana.edu.
Opinion: Montana’s Bumpy Road to Clean Power Plan Compliance

November 19, 2015

By Patrick M. Barkey

What would it take for Montana to produce electricity in a way that reduced carbon dioxide emissions by 47 percent? It’s not a hypothetical question. It’s the mandate set for the state in the Environmental Protection Agency’s final version of its Clean Power Plan, released in August 2015.

And compliance with that mandate – which requires a larger percentage of CO2 reductions in Montana than any other state – is more than a technological or engineering challenge. It could involve walking away from assets that have provided low-cost power and supported thousands of jobs for years, as well as spending hundreds of millions of dollars to build the capacity to replace them in a short period of time. In short, it could be the biggest economic event to occur in our state in decades.

The road to compliance is difficult for Montana. The regulation specifically targets existing fossil fuel-power electric generators, and the largest of those is the four-unit Colstrip coal-fired generating station in southeast Montana, whose 2,300 megawatts of baseload capacity have anchored our state’s power grid for decades. A future where
those assets are no longer available is a real possibility.

How real? Consider the challenge. The number of tons of annual CO2 emissions that Montana is required to eliminate – about 8.5 million tons – is roughly equal to the annual emissions of the two older, smaller Colstrip units plus the output of half of one of the newer, larger units.

In reality, that really wouldn’t work. For reasons both engineering and economic, that facility would be difficult to operate in a configuration where only one and a half of its units survived. That leaves only one other option for compliance that could help the facility survive. That is to rely on the existence and the affordability of emissions credits – essentially licenses to emit CO2 – that other states may have to sell. If you think that responsible power planning requires more than relying on nonexistent markets so that others can provide for our needs, you are not alone.

The Bureau of Business and Economic Research at the University of Montana has prepared a research report on what the early retirement of Colstrip to meet the CO2 emissions mandate would mean for the Montana economy. The results are sobering. Even when set against the job gains that would occur when new, compliant generation is built and operated to replace the Montana-dedicated power lost from Colstrip, the net impact is to reduce jobs, income, output, population and tax revenues by significant amounts.

Particularly of note are the kinds of jobs that Montana would lose. Of the 7,157 jobs that compliance with the EPA’s regulation would destroy, the average earnings are almost $66,000 per job. And while more than 4,000 of those lost jobs would come from eastern Montana, all regions of the state would see meaningful declines. At the mid-point of the next decade, the compliance scenario analyzed by BBER would result in a loss in annual income received by Montana households of over a half billion dollars. To put that into context, that’s about half as large as the decline that occurred during the Great Recession.

Why are the impacts so harsh? You really need to read the entire report to find that out. But it all comes back to the many important roles played by Colstrip. It is the single largest emitter of CO2 in the state, yes. But it also is the backstop of our electrical grid, as well as the state’s single largest industrial facility. Its baseload power generation role in our system is one that newer technologies like wind and solar cannot yet replace. And any mandate that does not recognize that will cause the economy to pay a heavy price.

*Patrick Barkey is the director of the Bureau of Business and Economic Research at the University of Montana.* The full report is available at [http://www.bber.umt.edu/Econ/Industry.asp](http://www.bber.umt.edu/Econ/Industry.asp).

**Contact:** Patrick Barkey, director, UM Bureau of Business and Economic Research, 406-243-5113, patrick.barkey@mso.umt.edu.
Opinion: Montana’s Bumpy Road to Clean Power Plan Compliance - UM News - University Of Montana
MISSOULA – University of Montana Professor Doug Emlen has been named the 2015 Montana Professor of the Year by the Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education.

Emlen was one of 35 educators selected nationwide from nearly 400 top professors nominated.

“There are a lot of us here at UM who take tremendous pleasure from teaching – finding new ways to excite students, challenging them to think hard about the world around them,” Emlen said. “I’m proud to be one of them and to be recognized for this facet of what we do.”
Emlen teaches Behavior and Evolution, Insect Biology and a number of graduate courses at UM. His colleagues said his classes are extremely popular with UM students. In fact, it’s common for the number of students on the waiting list for his courses to nearly equal the class size limit.

"His courses always rank as overall favorites among graduates of (UM’s) biology program," said Sarah Solie, a postbaccalaureate student who now studies ecology and evolutionary biology in the Emlen lab. "His ability to so completely draw students into the topic easily made a class of 40 feel like a class of 10."

UM Professor Erick Greene, who teaches in the Division of Biological Sciences and Wildlife Biology Program, supported Emlen’s nomination for the award. Greene has known Emlen since he was hired at UM in 1997.

"(I've) have had the pleasure of seeing him explode into an astounding teacher, mentor, role model, star researcher and all-around great ambassador for science," Greene said.


“So often it’s the scholarship we do as faculty that receives the attention – high-profile research papers, books or interviews, for example – but the ‘other half’ of our life is and always has been teaching.

“And as much as I love the research questions, the detective process involved with discerning answers, and even – OK, especially – the critters themselves, it’s the things I do as a teacher that matter the most,” he said.

Emlen’s many awards, honors and grants include UM’s Distinguished Teaching Award in 2014, the E.O. Wilson Prize from the American Society of Naturalists in 2013, a Presidential Early Career Award in 2002 and the Young Investigator Prize in 1997.
CASE and the Carnegie Foundation have been partners in offering the U.S. Professors of the Year awards program since 1981.

The Carnegie Foundation is an independent policy and research center that supports needed transformations in American education through tighter connections between teaching practice, evidence of student learning, the communication and use of this evidence and structured opportunities to build knowledge.

Headquartered in Washington, D.C., with offices in London, Singapore and Mexico City, CASE is a professional association serving educational institutions and the advancement professions at all levels who work in alumni relations, communications, fundraising, marketing and other areas.

Contact: Doug Emlen, professor, UM Division of Biological Sciences, 406-243-2535, doug.emlen@mso.umt.edu.
MISSOULA – The implementation of the Environmental Protection Agency Clean Power Plan could be the most significant economic event to occur in Montana in more than 30 years, according to a study conducted by the Bureau of Business and Economic Research.

The study contends that options for compliance with the plan for Montana – which faces the biggest required reduction in CO2 emissions of any state in the country – could involve the closure of the coal-fired generating station in southeast Montana, the largest industrial facility in the state.

NorthWestern Energy commissioned the BBER research and analysis. The full report is online at http://www.bber.umt.edu/Econ/Industry.asp.

“Colstrip is more than a big employer,” said Patrick Barkey, BBER director and principal author of the report. “It is the backstop of our electrical grid.”

The study outlines the changes to generating plants, transmission lines and other infrastructure that would bring...
Montana into compliance with emissions targets set in the plan while continuing to serve the needs of Montana business and households for electrical power. Those changes include both early retirement of coal-based generation and the building of new natural gas-fired capacity to fill part of the void.

“We feel it is very important for Montanans to better understand the kinds of choices ahead of us,” said Bob Rowe, CEO of NorthWestern Energy.

While other options, such as the purchase of emissions credits from other states, may allow partial operation of Colstrip into the future, the availability and price of those credits is unknown. BBER’s study examines a compliance scenario for the state that does not depend on the actions of other states or on emissions trading markets that do not yet exist.

BBER researchers found the impact of implementation is a significant loss to the state economy of jobs, income, output, tax revenues and population. Within three years of implementation of the compliance plan, according to the analysis, the state economy would:

- suffer a loss of more than 7,100 jobs, reflecting the regular and contractor jobs at all four units of the Colstrip generation facility, plus the neighboring coal mine and local government jobs supported by the significant property tax bills those facilities pay.
- incur a loss of more than $500 million in annual income received by Montana households, which is made larger by the fact that the jobs lost due to the Clean Power Plan pay well in excess of the Montana average.
- realize a loss of more than $1.5 billion in gross annual sales by Montana businesses and other organizations as Montana swings from being a state with significant energy exports to a state that must rely on imported power from other states and regions in periods of heavy load or during generation curtailments.
- experience a decline in population, particularly in working-aged families and their children, as economic opportunities in our state worsen relative to other states.

While these economic impacts would fall most heavily on eastern Montana, the nature of the changes required by the regulation, as well as the changes in electricity prices overall, would impose sizable negative impacts on all regions of the state.

BBER is the pre-eminent collector of primary data for business, economic and social science in Montana. BBER is a research center that has provided information about Montana’s state and local economies for more than 50 years. For more information visit http://www.bber.umt.edu.

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**Contact:** Patrick Barkey, director, UM Bureau of Business and Economic Research, 406-243-5113, patrick.barkey@mso.umt.edu.
MISSOULA – Growing giant pumpkins, caring for fragile dinosaur eggs, protecting unique boulders and playing a final musical tribute are the storylines for a new episode of the popular MontanaPBS travelogue series “Backroads of Montana.” The program premieres at 8 p.m. Monday, Nov. 23, on MontanaPBS, with a preview showing at 5 p.m. Saturday, Nov. 21.

The program follows a Polson man’s summerlong quest to grow Montana’s heaviest pumpkin. “Backroads” Producer Ray Ekness chronicled the journey from seed planting to a weigh-off that brought imposing gourd entries from all over the region.

The Two Medicine Dinosaur Center near Bynum was just closing up its public summer digs program when Producer Gus Chambers arrived to observe how a nest of dinosaur eggs is swaddled in protective coating to survive the Montana winter.

Near Geraldine, Chambers followed Hank Armstrong, a quiet man who’s made it his hobby and passion to conserve and protect the scenic Square Butte area, including a rock quarry that has produced some of Montana’s...
most important monuments.

**Shelby's** Ray Zell never misses a local Memorial Day or military funeral. Producer John Twiggs caught up with the 99-year-old trumpeter, who may be the oldest veteran to play taps for his fellow servicemen on their final passage.

William Marcus hosts the program from **Ennis** during the annual Hunters Feed on Main Street, where locals cook up wild game dishes to share with their neighbors and visitors.

“Backroads of Montana” is supported by the Greater Montana Foundation, which encourages communications on issues, trends and values of importance to present and future generations of Montanans; the Big Sky Film Grant; and the University of Montana.

MontanaPBS is a collaborative statewide service of KUFM-TV at the University of Montana and KUSM-TV at Montana State University. Check local listings for channel numbers.

Previous episodes of the program can be seen online at http://watch.montanapbs.org/ or checked out at city/county libraries across the state.

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**Contact:** William Marcus, "Backroads of Montana" host, 406-544-8618, william.marcus@umontana.edu.
New ‘Backroads of Montana’ Episode Premieres Nov. 23 on MontanaPBS - UM News - University Of Montana
UM Invites Community Participation at Next University Council Meeting

November 18, 2015

MISSOULA – The University of Montana encourages members of the campus and Missoula communities to join the discussion on campuswide issues and University initiatives during monthly University Council meetings.

The next meeting is slated for 2:30-3:30 p.m. Tuesday, Nov. 24, in Room 104 of the Montana Technology Enterprise Center, located at 1121 E. Broadway St. It will feature a panel moderated by Joe Fanguy, UM director of technology transfer, titled “UM’s Economic Development Impacts: Research, Companies & Private Sector Jobs.” Panelists include Patty Cox, director of UM's Procurement and Technical Assistance Center; Brigitta Miranda Freer, director of the Montana World Trade Center based at UM; and Jennifer Stephens, manager of UM's Blackstone LaunchPad. The meeting will include about 30 minutes for presentation and 30 minutes for general discussion.

A free roundtrip UDASH shuttle, donated by the Associated Students of UM Office of Transportation, will transport campus participants to MontEC. It will leave from the bus stop near the Prescott House on Campus Drive at 2 and 2:15 p.m. and return participants to campus after the meeting.

University Council members include representatives from UM's Staff and Faculty senates, ASUM, University Faculty
UM Invites Community Participation at Next University Council Meeting - UM News - University Of Montana

Association, the Montana Public Employees Union, UM administrators and the Missoula community. More information is online at http://www.umt.edu/committees/universitycouncil.php.

Contact: Peggy Kuhr, UM vice president for integrated communications, 406-243-2311, peggy.kuhr@mso.umt.edu.
UM Makes Final Push in Annual Can the Bobcats Food Drive

November 17, 2015

MISSOULA – The University of Montana has a lot of ground to make up between now and Friday, Nov. 20, when the donations are weighed for the Can the Bobcats Food Drive. The off-field competition between UM and Montana State University is held annually to see which community can collect the most donations for their local county food banks.

The competition ends on Saturday, Nov. 21, when the winner will be announced during halftime of the Brawl of the Wild football game between UM and MSU.

“Currently we have collected about 80,000 pounds,” said Missoula Food Bank Community Relations Director Jessica Allred. “To be competitive with MSU, our goal is to gather about 200,000 pounds.”

People are encouraged to donate heavy food items such as potatoes, rice, beans, peanut butter, flour and canned vegetables, fruit and tuna.

Monetary donations also are accepted and will be converted to pounds on a $1 per pound of food ratio. New this
year, donors can text “NOURISH” to 52000 to donate $5 or to 91011 to donate an amount of their choosing. They also can contribute at any Missoula Federal Credit Union location or directly to the Missoula Food Bank with an online donation at https://donatenow.networkforgood.org/missoulafoodbank, with the donation dedicated to the Can the Bobcats Food Drive.

Organizers of the drive ask nonperishable food donations be taken to collection locations throughout Missoula to support those in need in Missoula County. A list of participating drop-off locations can be found at http://canthebobcats.com/drop-off-locations/. Additional campus drop-off locations are The Source in the University Center and The Corner Store in the Lommasson Center.

Any UM Dining venue also will accept monetary contributions and UM students can donate up to $13 per week from their meal plan to support the cause.

“We are so impressed with the Missoula community,” Allred said. “Last year we were able to collect 121,609 pounds of food. This drive really helps us offer variety to our clients, which fulfills our mission as a choice-model pantry.”

An average of 900,000 pounds of food is donated to Missoula Food Bank each year, helping to feed approximately 6,000 people each month.

For more information call Allred at 406-549-0543 ext. 103 or email jessica@missoulafoodbank.org.

Contact: Jessica Allred, Missoula Food Bank community relations director, 406-549-0543 ext. 103, jessica@missoulafoodbank.org.
Mansfield Center Associate Director Selected as Youth Mentor at White House Summit

November 13, 2015

MISSOULA – Deena Mansour, associate director of the Maureen and Mike Mansfield Center at the University of Montana, will travel to Malaysia next week to serve as a youth mentor at the White House Young Southeast Asian Leaders Initiative Summit.

Launched in 2013, the initiative is President Barack Obama’s signature program to strengthen leadership development in Southeast Asia. Through a variety of programs, including educational and cultural exchanges based at UM, YSEALI embraces the power of individual citizens to find creative solutions to challenges they face in their home communities. YSEALI focuses on topics important to youth in both Montana and Asia, including civic engagement, environment and natural resources management, and entrepreneurship and economic development.

“It is truly an honor to be able to showcase Montana expertise and resources on the global stage of this summit,”
Mansour said. “As a former U.S. diplomat, I know firsthand the importance of public diplomacy and the need to develop strong people-to-people relations in establishing global mutual understanding. Montana has proven to be an ideal location to develop such relationships because of the warmth and dedication of host families, fellowship partners, and program managers Kelsey Stamm, Mel Wardlow and Caitlin Sager.”

UM’s Mansfield Center is the only organization in the country that hosts both components of YSEALI exchanges: academic exchanges for Fellows ages 18 to 24 and professional exchanges for Fellows ages 25 to 35. Earlier this month, the Mansfield Center hosted 10 Fellows from Burma, Cambodia, Laos, Thailand and Vietnam as part of the initiative.

“Mike Mansfield cherished opportunities to support global youth, especially his fellow Montanans,” Mansour said. “YSEALI allows us to continue Mansfield’s legacy by fostering an exchange of ideas between youth in areas critical to both regions, including energy, climate change and economic development, through the prism of leadership development. This exchange fits squarely within UM’s mission to provide a global education not only for our students, but also for the greater Montana community.”

Mansour has played a critical role in building the Mansfield Center’s partnership with YSEALI, and she credits UM faculty members for helping bolster its impact.

“The U.S. Department of State has consistently recognized UM and the Mansfield Center as centers of excellence in civic engagement and leadership,” she said. “Because of the expertise of our faculty, such as Len Broberg in environmental studies and Nicky Phear in the climate change program, our exchanges are renowned for their impact, effectiveness and sustainability.”

Mansour will head to Kuala Lumpur Wednesday through Tuesday, Nov. 18-24, for the summit. While there, she’ll lead a workshop of up to 100 young leaders on developing skills to foster civil society development and take part in a town hall meeting hosted by Obama. Mansour also will serve as a mentor to a smaller cohort of 10 participants selected from the larger group. About 50 of the 500 total attendees are expected to be alumni of UM training programs.

For more information, email Mansour at deena.mansour@umontana.edu.

Contact: Deena Mansour, associate director, UM Maureen and Mike Mansfield Center, 406-274-0992, deena.mansour@umontana.edu.
Mansfield Center Associate Director Selected as Youth Mentor at White House Summit - UM News - University Of Montana
UM’s Sigma Phi Epsilon Fraternity Ready for ‘Run to Bozeman’ Fundraising Event

November 13, 2015

MISSOULA – The University of Montana chapter of the Sigma Phi Epsilon fraternity is currently accepting donations for its biennial “Run to Bozeman,” a fundraiser that benefits YWCA Missoula.

The fraternity, established at UM in 1918, holds the fundraiser every other year when Montana State University hosts the Griz-Cat football game in Bozeman. Starting Wednesday, Nov. 18, members of Sigma Phi Epsilon will take turns running relay shifts along the 201-mile stretch of Interstate 90 from Missoula to Bozeman.

The fundraiser will benefit YWCA Missoula, which helps local women, children and families in crisis by providing housing, counseling, programs to address domestic and sexual violence, support groups and supervised visitation. The YWCA also seeks to transform the Missoula community through its Racial Justice Initiative, as well as its GUTS! leadership programs for girls.

Fraternity members hope to raise $3,000 this year. They currently are accepting donations on their GoFundMe page at https://www.gofundme.com/runtobozeman.
For more information call Steven Allen, Sigma Phi Epsilon fraternity vice president of communications, at 406-450-6508 or email vpcom.sigepmta@gmail.com or call YWCA Missoula Communications Coordinator Ari Laurel at 406-543-6691 or email alaurel@ywcaofmissoula.org.

Contact: Steven Allen, Sigma Phi Epsilon fraternity vice president of communications, 406-450-6508, vpcom.sigepmta@gmail.com; Ari Laurel, YWCA communications coordinator, 406-543-6691, alaurel@ywcaofmissoula.org.
UM Art Annex Holiday Sale, Show to Feature Campus Work

November 13, 2015

MISSOULA – The University of Montana Emerging Ceramic Artists group of the UM School of Art will hold its 30th annual Art Annex Holiday Sale and Juried Show Thursday through Saturday, Dec. 10-12, in the UM Art Annex. The sale features ceramics and sculpture by UM School of Art students and faculty, and this year will include T-shirts, cards and prints from the printmaking division. The show will take place in the Off Center Gallery of the Art Annex, and student work created over the past year will be juried for entry and awards. The event is free and open to the public.

A schedule of events is as follows:

- **Thursday, Dec. 10, 4-7 p.m.**: Opening Celebration with live music. Awards presentation at 5 p.m.
- **Friday, Dec. 11, 9 a.m.-7 p.m.**: Sale continues
- **Saturday, Dec. 12, 9 a.m.-7 p.m.**: Sale continues

This year’s juror will be Lauren Gallaspy, a ceramic sculptor and vessel maker, resident of the Archie Bray
Foundation, and 2012 recipient of the Joan Mitchell Foundation Painters and Sculptors Grant.

Past students have won awards from the President’s Office, the College of Visual and Performing Arts dean, the Bookstore, Lela Autio and the Montana Museum of Art and Culture, as well as donations from various individuals and local businesses.

This fundraising event was initiated 30 years ago after the Ceramics and Sculpture divisions were relocated to Schreiber Gym for a year due to a fire in the Art Annex. Proceeds from the event help fund scholarships, student travel to conferences and wood for kiln firing and are primarily distributed to the ceramics area, which has the most revenue and student participation. The proceeds also fund visiting artists who benefit the School of Art and community.

Students formed the clay club UMECA (formerly Starving Sculpture and Ceramics Students) to help raise visibility and funds for the program. SSCS and UMECA have funded a variety of sculpture projects over 30 years.

For more information call the School of Art office at 406-243-4181.

Contact: Beth Lo, UM School of Art professor, 406-243-5893, elizabeth.lo@umontana.edu.
MISSOULA – Faith and Climate Action Montana will sponsor a panel discussion at the University of Montana on empowering people of faith to make a difference in the midst of the climate change issue. The event will begin at 7 p.m. Monday, Nov. 16, in the University Center Theater.

The talk, “Faith and Climate Change: Why People of Faith Should be Engaged, and How We Can Make a Difference,” aims to build momentum for conversation about religious and ethical motivations for engagement on climate change. It will feature the following panelists:

- **Dan Spencer**, co-author of “Earth Ethics,” ordained United Church of Christ minister and UM professor of environmental studies: “Religious Perspectives on Engagement on Climate Change.”
- **Caroline Lauer**, program associate at Climate Smart Missoula: “Climate Initiatives in Missoula: Practical Ways...
The discussion is free and open to the public.

This event is a lead-up to the major United Nations climate change conference in Paris in December, which will focus on issues such as renewable energy, short-lived climate pollutants and innovation.

Faith and Climate Action Montana is a new coalition of clergy and people of faith working to engage individuals and congregations on climate change.

For more information on the event, email Abigail Huseth, Faith and Climate Action Montana coordinator with UM’s Emmaus Campus Ministry, at abigail.huseth@umontana.edu or call the Environmental Studies Program office at 406-243-6273.

Contact: Abigail Huseth, Faith and Climate Action Montana coordinator, 406-243-6273, abigail.huseth@umontana.edu.
MISSOULA — University of Montana Alexander Blewett III School of Law students recently took first place in the American Bar Association-sponsored Law School Regional Negotiation Competition held Nov. 7 in Calgary, Alberta.

The University of Calgary Faculty of Law hosted this year's regional event. The UM team competed against 20 other law schools from throughout the Northwest and western Canada, and this year additional competitors from Wyoming and California.

This marks the fifth year in a row the UM team advanced to the final round. Team members Nick VandenBos of Bozeman and Lindsay Thane of Missoula advanced to their second final-round appearance in two years. No other UM law school duo ever has appeared twice in consecutive years in the regional competition. The team brought home back-to-back first-place finishes.

Thane and VandenBos also will be the first UM team to consecutively appear at the national competition. Additionally, they set the team record for becoming the only members to compete in two and three, respectively, consecutive final-round appearances with invitations to the national competition.
“That hasn’t happened in the 30 years the law school has fielded teams in the competition,” said team coach Klaus Sitte, a UM adjunct faculty member. “Both Lindsay and Nick’s records will stand for many years.”

Sitte teaches Alternative Dispute Resolution and Negotiation at the UM law school and coaches the negotiation team. He has coached the team since 1990, and has lead seven previous teams to nationals and one team to an international competition appearance. UM negotiation teams have placed second and third nationally in previous years.

The Thane/VandenBos entry into the final round marks the 19th time UM negotiation teams have advanced to compete among the remaining four regional finalists.

“We would not have been able to get this far without the incredible support and effort of all six team members,” Thane said.

“There’s no doubt that the dedication and hard work of the entire team members it what sets UM’s team apart,” VandenBos said.

First-year UM law students Marianne Peters of Dillon and Asa Hohman of Missoula simultaneously advanced to the final round, finishing with a tie for third place. The last time two UM teams appeared in the final round of the regional competition was 2007.

“This year’s competition really put our team’s ability to react quickly to the test,” Peters said. “We were given less than two hours to become familiar with the facts for the final round. That was challenging.”

“We quickly realized we had the skills,” Hohman said. “Now we only needed to learn the facts – fast.”

Kathryn Ore and Frans Andersson, both of Missoula, made their first appearances this year. Ore was an alternate team member last year, while Andersson is new to the team this year.

“It was a very intense competition this year, with a very demanding schedule,” Ore said. “But, with all of the team practice, it’s good to see our efforts pay off.”

“The intense one-day schedule could sap all your energy,” Andersson said. “We were so glad we were well prepared.”

“This is such a fun group of people to work with and coach,” Sitte said. “They’re so eager, so committed and so talented.”

Thane and VandenBos will take a short break before preparing for the February 2016 national competition in San Diego. The national competition will bring together the top teams from the U.S. and Canada.

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Contact: Klaus Sitte, UM School of Law adjunct faculty member and negotiation team coach, 406-243-4670,
UM Students Raise $34,444 for Children’s Hospital at Fourth Annual Event

November 10, 2015

MISSOULA – University of Montana students raised $34,444 for St. Jude Children’s Research Hospital on Nov. 6 during their Up ‘til Dawn event. The student-run, student-led Up ‘til Dawn group held an overnight challenge dedicated to raising funds and increasing awareness for pediatric cancer and other catastrophic diseases. They have a goal of raising a total of $44,000 by the end of the year.

The event took place on from 11:55 p.m. to 6 a.m. in UM’s Schreiber Gym, where participants sacrificed a night of sleep in honor of the many nights of sleep lost by St. Jude’s patients and their families. The event also celebrated the amount of money students raised for the hospital. Sponsors and donors were recognized throughout the event.

Cancer remains the no. 1 cause of death by disease in children. Many children diagnosed will not survive, and those who survive are more likely to face lifelong battles from the treatment that saved their lives. Montana’s Up ‘til Dawn program worked with St. Jude to help to change these statistics.

This is Up ‘til Dawn’s fourth year raising money for St. Jude Children’s Research Hospital. The first year they raised $6,512, the second year $11,355, the third year $38,675 and $34,444 so far this year.
To donate to UM Up ‘til Dawn visit [http://fundraising.stjude.org/montana](http://fundraising.stjude.org/montana). For more information email UM student and Up ‘til Dawn Executive Director Willa Fogarty at willa.fogarty@umontana.edu or call at 406-579-5361.

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**Contact:** Willa Fogarty, UM Up ‘til Dawn executive director, 406-579-5361, willa.fogarty@umontana.edu; Emily Plant, UM Up ‘til Dawn adviser, 513-519-0246, emily.plant@umontana.edu.
MISSOULA – A well-known public commentator on literature and literary theory will discuss William Shakespeare, Ray Bradbury and humanities during the next installment of the 2015-16 President’s Lecture Series at the University of Montana.

Marjorie Garber, Harvard University’s William R. Kenan Jr. Professor of English, will present “Shakespeare 451: Shakespeare, Ray Bradbury and Humanities Teaching Today” at 8 p.m. Thursday, Nov. 19, in the University Center Ballroom. The lecture is in collaboration with the UM Department of English, Office of the Provost and Vice President for Academic Affairs, and Maureen and Mike Mansfield Library.

She also will lead a seminar earlier that day titled “Identity Theft: Psychoanalysis, Shakespeare and the Crisis in the Humanities” at 3:40 p.m. in Gallagher Business Building Room 123. The lecture and seminar both are free and open to the public.
After earning a doctorate from Yale University, Garber taught there and then at Haverford College before joining the English department faculty at Harvard University in 1981.

In addition to a half-dozen different courses on Shakespeare, her curriculum includes Jane Austen, major English poets, metaphysical poetry, Renaissance drama, Renaissance and 17th-century poetry among others.

She is a well-known public commentator on literature and literary theory. Journalist Charlie Rose has interviewed her on his PBS television program. In 2010, she was chosen to chair the judging committee of the nonfiction category of the National Book Awards. This past summer, she was a featured commentator on the BBC/PBS television series “Shakespeare Uncovered.”

Garber’s has published 17 books, seven volumes of edited works and dozens of major scholarly articles and op-ed pieces. The work she has done on Shakespeare has made her a leader in that field. Newsweek chose her “Shakespeare After All” as one of the five best nonfiction books of 2004 and praised it as the “indispensable introduction to an indispensable writer,” adding, “Garber’s is the most exhilarating seminar room you’ll ever enter.”

Garber’s lecture will be a good introduction to “First Folio! The Book that Gave Us Shakespeare,” a traveling exhibition from the Folger Shakespeare Library in Washington, D.C., that will arrive at UM in May 2016. The exhibition features the first-collected edition of Shakespeare’s plays.

The President’s Lecture Series at UM consists of eight talks throughout the academic year on vital topics by distinguished guest speakers. For more information on the series, visit http://umt.edu/president/events/lectures/ or call UM history Professor Richard Drake at 406-243-2981.

Contact: Richard Drake, UM history professor and lecture series organizer, 406-243-2981, richard.drake@umontana.edu.
UM Curry Health Center Relaunches Health Nut Magazine for Digital Audience

November 09, 2015

MISSOULA – What started out as a magazine sharing University of Montana students’ stories and tips on healthy living has been reimagined for the digital world. Curry Health Center’s Wellness department is relaunching Health Nut magazine as a blog on Monday, Nov. 9.

Originally named Health 101, Health Nut magazine began in 2010 as a way to inform students about everything from fitness tips to articles on healthy eating and safe sex.

“What’s awesome about Health Nut is the fact that it’s produced by UM students,” said Health Promotion Specialist Brent Hildebrand. “The blog’s content is really relatable for and specific to the student body here in Missoula.”

The new version of Health Nut will continue to bring students stories about healthy living with specific insights for living on campus, local food and life in Montana. Health Nut will publish every Monday during fall and spring semesters at http://healthnut.umt.edu. The new format is designed for easy viewing on computers, tablets and mobile phones.
“We know students use phones as their primary way to consume content,” said Jessica Vizzutti, media specialist at Curry Health Center. “We want to stay relevant to our audience and make it easy for them to connect with Health Nut.”

Managed by students working in Curry Health Center Wellness, the weekly publication is just one of many ways the department keeps students at the center of its focus.

“The Wellness Department at Curry Health Center is always cutting edge when it comes to helping students be healthy,” said Linda Green, director of Wellness at Curry Health Center. “We reach students through social media, we offer individualized wellness coaching and with the digital launch of Health Nut, this information is easily accessible for busy students.”

The student staff members hope to continue their cutting-edge work by including more video and multimedia content in the coming months. Students interested in contributing are encouraged to call Curry Health Wellness at 406-243-2809 or email healthed@umontana.edu.

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Contact: Jessica Vizzutti, Curry Health Center media specialist, 406-243-6958, jessica.vizzutti@umontana.edu.
UM Office for Civic Engagement Opens Adopt-A-Family/Veteran Program

November 06, 2015

MISSOULA – The University of Montana’s Office for Civic Engagement will team up with the Salvation Army Tuesday, Nov. 10, for the 19th annual Adopt-A-Family program, as well as coordinate the seventh annual Adopt-A-Veteran program with the Valor House.

The purpose of the Adopt-A-Family/Veteran project is to ensure that everyone in the Missoula area is able to celebrate the holidays by assisting people who cannot afford to provide for themselves or their families. Each year, about 30 to 40 families and 15 veterans are adopted through the program.

UM departments, student groups and individuals are encouraged to adopt a family, a veteran or both. Interested participants can email OCE Pathways and Events Coordinator Shelby Stormer at shelby.stormer@umontana.edu after Nov. 10. Once they have selected families and/or veterans and purchased gifts, the UM Bookstore will host a gift-wrapping party from 1 to 5 p.m. Thursday, Dec. 17.

UM’s OCE, part of the Davidson Honors College, focuses on growth in civic competency, collaboration and service through curricular and community-based experiences.
The Salvation Army is an international organization with the mission to feed, clothe, comfort and care.

The Valor House provides a transitional housing facility for homeless veterans and is a part of the Povarelllo Center, Missoula’s local soup kitchen and homeless emergency center. This year also will be the first time the Poverello’s Housing Montana Heroes wing will participate in the Adopt-A-Veteran portion of the event.

For more information about the Adopt-a-Family/Veteran project and UM’s Office for Civic Engagement, please visit http://www.dhc.umt.edu/oce/default.php.

**Contact:** Shelby Stormer, UM Office for Civic Engagement pathways and events coordinator, shelby.stormer@umontana.edu.
MISSOULA – The Maureen and Mike Mansfield Center at the University of Montana will show the award-winning Korean film “Ode to My Father” at 6:30 p.m. Wednesday, Nov. 18, at the University Center Theater. The drama chronicles the life of an ordinary Korean man and his family from the Korean War to present day.

Two guest lecturers, Sung-Yong Lee of the Fletcher School of Law and Diplomacy at Tufts University and James Person of the Woodrow Wilson International Center for Scholars History and Public Policy Program, will speak before the start of the film. Their presentation “Korea: The Time of Changes” will explore the real-life settings and contexts for the events of the film.

The event is free and open to the public, but organizers ask attendees to reserve tickets in advance online at http://www.umt.edu/mansfield or by calling 406-243-2988. Refreshments will be served.

Since the 1950s, South Korea has faced sweeping political, economic and cultural changes. In the past 65 years it has faced division, invasion, uprising, reforms and industrialization. It has grown into a thriving world economy and sophisticated cultural center, but these changes have had a profound impact on the everyday lives of the ordinary
“Ode to My Father” tells the story of one man whose family is separated during the division of North and South Korea, and the path his life takes after he promises his father that he will care for their family in his father’s place.

Lee is a Kim Koo-Korea Foundation professor in Korean studies and assistant professor at the Fletcher School of Law and Diplomacy at Tufts University. He has taught courses on Korean political history at Bowdoin College, Sogang University and Seoul National University. Person is deputy director of the History and Public Policy Program and coordinator of the North Korea International Documentary Project at the Woodrow Wilson International Center for Scholars.

The Maureen and Mike Mansfield Center at UM promotes better understanding of Asia, U.S. relations with Asia and ethics in public affairs in the spirit of Sen. Mike Mansfield (1903-2001) and his wife and life partner, Maureen Hayes Mansfield. The center houses programs that focus on the people and cultures of modern Asia and ethics in public affairs – the core interests and hallmarks of Sen. Mansfield’s career.

This event is co-sponsored by the Mansfield Center, UM’s Office of International Programs, the Montana World Affairs Council, the Korea Foundation, the Wilson Center and CJ Entertainment. More information is available online at http://www.umt.edu/mansfield.

Contact: Caitlin Sager, UM Mansfield Center administrative assistant, 406-243-2965, caitlin.sager@mso.umt.edu.
UM Mansfield Center Hosts Award-Winning Korean Film and Guest Lecturers - UM News - University Of Montana
UM Student Involvement Network to Host First Comic Con Event

November 04, 2015

MISSOULA – The Student Involvement Network at the University of Montana will host Chibi Chibi Comic Con, UM’s first comic fan convention, Nov. 13-15 on the third floor of the University Center. The event will run from noon to 11 p.m. Friday, 10 a.m. to 11 p.m. Saturday and 10 a.m. to 6 p.m. Sunday.

Chibi Chibi Comic Con, meaning “mini mini” comic convention, provides students a venue to show their love for mini-gaming, anime and role-playing, and also will feature vendors, artists and a film festival. The event is open to the public and costs $7 for one day and $12 for a three-day pass or $5 for one day and $10 for three days with a Griz Card. Children ages 12 and younger are free.

UM’s Anime Club partnered with SIN to co-sponsor the event. SIN is an activities-based board located in the UC that hosts workshops, comedy shows, concerts, lectures, guest speakers, films and entertainment. Its goal is to provide students a foundation of learning, leadership, diversity and fun.

For more information about the event, visit http://www.umt.edu/uc/.
Contact: Adrianne Donald, University Center associate director and Student Involvement network lead, 406-243-6029, adonald@mso.umt.edu.
MISSOULA – A U.S. Department of State exchange program has awarded one of its highest honors to a University of Montana faculty member.

Josh Slotnick, a lecturer in UM’s Environmental Studies Program, received one of four fall 2015 Alumni Impact Awards from the Professional Fellows Program, which brings together emerging leaders from the U.S. and around the world for intensive, short-term fellowships designed to broaden their professional expertise.

“The Professional Fellows Program links effective practitioners and academics from around the globe,” Slotnick said. “It’s a great honor to represent UM and the work we do in this group.”

In the first phase of the Professional Fellows Program, American participants host, work with and learn from the foreign Fellows as they gain experience in nonprofit organizations, private sector businesses and government offices across the U.S. During the second phase of the exchange, American participants travel to their counterparts’ home countries to engage in a similar program.
Slotnick hosted Thai participant Payong Srithong in 2013, and traveled to Thailand the following year. He worked with Srithong to create economic opportunities through agriculture for Burmese refugees on the Thai border. After participating in the Professional Fellows Program, Slotnick led an exchange program for UM students in Thailand this past January. The students spent time on several farms, including Srithong’s, which he transformed into a training center following his time in the U.S.

Slotnick, a strong proponent of community-based agriculture, is a co-founder of UM’s Program in Ecological Agriculture and Society (PEAS) and the program’s 10-acre vegetable farm in the Rattlesnake Valley. He also helped establish Missoula’s Garden City Harvest nonprofit.

The program will honor Slotnick and three other award recipients at the Fall 2015 Professional Fellows Congress Tuesday through Thursday, Nov. 10-12, in Washington, D.C. During the conference, recipients will have the opportunity to connect and discuss their work with Fellows from around the world.


Contact: Josh Slotnick, UM environmental studies lecturer, 406-239-6993, joshua.slotnick@mso.umt.edu.
Bitterroot College Fab Lab Opens to Encourage Entrepreneurship, Tech Training

November 16, 2015

HAMILTON – The Bitterroot Fabrication Laboratory has opened its doors at 404 S. First St. in Hamilton. The Bitterroot Fab Lab is made possible by a generous contribution from the Rob and Terry Ryan Foundation and will be operated through the Advanced Manufacturing program at Bitterroot College University of Montana.
The Bitterroot Fab Lab offers a space to create, learn, mentor, play and invent for two main purposes: to enhance academic training in advanced technologies and to encourage entrepreneurial activity in the Bitterroot Valley and Western Montana. Classes in 3D printing, laser engraving, electronic prototyping robotics and embedded programming will be offered. A membership model will allow local inventors, designers and entrepreneurs to use the facility.

Recently, the Bitterroot Fab Lab was awarded a $7,000 grant through the Educational Development and Stimulus Fund to purchase a DI Wire machine and CNC milling machine. These pieces of equipment will add to current facilities, which include 3D printers, a laser engraver, robotic milling machine capable of making circuit boards and a suite of robotics programming tools.

The fab lab concept originated with the Massachusetts Institute of Technology’s Center for Bits and Atoms, which sought to extend its research into creating physical objects with computer-based tools to help local business development. Since the first fab lab was created at MIT in 2009, over 500 have been established in the United States and abroad. The Bitterroot Fab Lab is a member of the U.S. Fab Lab Network and is part of a larger effort to bring leading technology to the Bitterroot Valley.

Contact: Matt Grimes, Bitterroot College Advanced Manufacturing program coordinator, 406-375-0100, mattr.grimes@umontana.edu.
Bitterroot College Fab Lab Opens to Encourage Entrepreneurship, Tech Training - UM News - University Of Montana
SpectrUM’s ‘Motion’ Exhibit Travels to Corvallis

November 16, 2015

MISSOULA – “Motion,” one of the University of Montana spectrUM Discovery Area’s popular traveling exhibits, will visit Corvallis on Wednesday through Friday, Nov. 18-20.

Featuring hands-on exhibits and activities exploring the wonders of physics and engineering, “Motion” will transform the Corvallis High School mini-theater into an interactive science museum. Highlights of the exhibition include a larger-than-life spinning turntable, a gravity well and spectrUM’s ever-popular flight simulator.

Students will be able to share the exhibition and activities with families, friends and community members at a free Family Science Night from 6 to 8 p.m. Wednesday, Nov. 18, at the Corvallis High School mini theater.

An interactive science center located in the heart of downtown Missoula, spectrUM is committed to inspiring a culture of learning and discovery for all, serving more than 50,000 Montanans annually through its in-museum and mobile programs. The Corvallis tour stop is powered by the Jane S. Heman Foundation.

Since 2006, spectrUM has brought interactive exhibits and educators to 71 schools and four public libraries in 30
Montana counties and all seven American Indian reservations. SpectrUM’s mobile science program has served over 51,000 people, of whom 30 percent are Native American and over 75 percent live in rural communities.

SpectrUM Director Holly Truitt said the goal of spectrUM’s mobile outreach is to “help inspire Montana’s next generation of scientists, health care providers, engineers and visionaries.”

SpectrUM’s sponsors and partners include the UM Center for Structural and Functional Neuroscience, Community Medical Center, the Dennis and Phyllis Washington Foundation, the Jane S. Heman Foundation, the National Institutes of Health, the National Science Foundation EPSCoR Program, NISE Network, the Noyce Foundation, the O.P. and W.E. Edwards Foundation, SciGirls, the Simons Foundation and the Western Montana Area Health Education Center. Its Science for All Scholarship Fund has given the gift of science to more than 12,000 Montana children.

The public can visit spectrUM at 218 E. Front St. in Missoula from 11 a.m. to 6 p.m. Wednesday through Friday and 10 a.m. to 5 p.m. Saturday. Admission costs $3.50 per person.

For more information or to book a school visit, call spectrUM STEM Education Program Manager Jessie Herbert at 406-243-4828 or visit http://www.spectrum.umt.edu.

Contact: Jessie Herbert, spectrUM STEM education program manager, 406-243-4828, jessie.herbert@umontana.edu.
MISSOULA – A local conservation organization recently recognized the conservation and environmental contributions two University of Montana professors have made to the greater Missoula community.

The Missoula Conservation Roundtable presented two of its annual awards to UM environmental studies Professor Neva Hassanein and biology Professor Erick Greene at a recent ceremony. Hassanein received the Don Aldrich Award, named in memory of the pioneering Montana conservationist whose efforts from the 1960s through 1990s helped pave the way for the conservation and environmental movements that continue today. The award is presented to an individual based on his or her longtime contributions to the conservation of natural resources and environmental protection.

According to her nomination, Hassanein has strategically used her research and organizing skills to nurture a powerful local movement to protect Montana farmland and increase local food security and sustainability. She established sustainable food and farming as an emphasis in UM’s environmental studies curriculum, and she helped build the University’s Farm to College program, a campus-community partnership for local food, into a nationally recognized, award-winning program.
Hassanein, her students and groups she works with have had a hand in revitalizing farmers markets and other local markets, increasing large institutional purchasers’ use of local foods, supporting the regional growers’ cooperative and developing farmer education programs. She’s helped the UM community envision how local food systems can be more sustainable, secure and democratic, and has worked strategically with others to create a replicable model.

Greene received the Arnold Bolle Award, which was established in 1981 in honor of Bolle, a former faculty member in the UM College of Forestry and Conservation whose life was a demonstration of a personal commitment to conservation. The Bolle Center for People and Forests at UM is named for him, and the Arnold Bolle Award is a lifetime achievement award presented to a professional in natural resource management or environmental protection.

Greene’s nomination describes how he has played an integral role in UM’s Montana Osprey Project, which has educated thousands across the globe about osprey behavior, ecology and the challenges they face. Greene’s work has contributed to the long-term understanding of how mercury in the environment affects osprey. Bolle served as a friend and mentor to Greene when he first began his tenure at UM.

“In addition to Arnold Bolle being a wonderful mentor and friend, we shared great interests together in birds, conservation and music,” Greene said. “A large part of my research now involves a lot of the ‘music’ of the natural world, and I attribute that in part to Arnold’s influence.”

Contact: Neva Hassanein, UM environmental studies professor, 406-243-6271, neva.hassanein@mso.umt.edu; Erick Greene, UM biology professor, 406-243-2179, erick.greene@mso.umt.edu.
MISSOULA – University of Montana students will team up with St. Jude Children’s Research Hospital to compete in the fourth annual Up ‘til Dawn event on campus. Up ‘til Dawn is a growing, student-run, student-led overnight challenge dedicated to raising funds and increasing awareness for pediatric cancer and other catastrophic diseases. The event will take place on Friday, Nov. 6 from 11:55 p.m. to 6 a.m. in UM’s Schreiber Gym, where participants sacrifice a night of sleep in honor of the many sleepless nights lost by St. Jude’s patients and their families.

Cancer remains the number one cause of death by disease in children. Many children diagnosed will not survive, and those who survive are more likely to face lifelong battles from the treatment that saved their lives. Montana’s Up ‘til Dawn program is working with St. Jude to help to change these statistics.

Up ‘til Dawn invites the entire UM student body to form teams and “fight cancer in the 406.” Students team up to fundraise for the hospital through an online participation center prior to the overnight event. This year, the UM’s goal is to raise $44,000 for the children of St. Jude.

In celebration of the money that Up ‘til Dawn participants raise for the hospital, there will be an overnight event with...
prizes and games. Sponsors and donors will be recognized in various ways over the course of the event.

To donate to UM Up 'til Dawn visit http://fundraising.stjude.org/montana. For more information email UM student and Public Relations Director, Emily Etchart at emily.etchart@umontana.edu or call at 406-839-5793.

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**Contact:** Emily Etchart, UM Up 'til Dawn public relations director, 406-839-5793, emily.etchart@umontana.edu.
MISSOULA – A team of researchers recently discovered that global climate change is causing general increases in both plant growth and potential drought risk.

University of Montana Professor John Kimball is among the team of researchers who published an article on Oct. 30 about their study on Nature magazine’s website titled “Vegetation Greening and Climate Change Promote Multidecadal Rises of Global Land Evapotranspiration.”

Their research shows that during the past 32 years there have been widespread increases in both plant growth and evaporation due to recent global climate trends. The apparent rise in evapotranspiration – the process by which water is transferred from the land to the atmosphere by evaporation from plants and soil – is increasing potential drought risk with rising temperature trends, especially during periodic drought cycles that have been linked with
strong El Nino events. El Nino is a disruption of the ocean-atmosphere system in the tropical Pacific with important consequences for weather around the globe.

The researchers produced a long-term global satellite record of land evapotranspiration using remote sensing satellite data. They investigated multi-decadal changes looking at trends between 1982 and 2013. In addition to global evapotranspiration trends, they examined vegetation greenness and general climate data including temperature, precipitation and cloudiness. Collectively, these data show general increasing trends in both plant growth and evaporation with recent climate change mainly driven by vegetation greening and rising atmosphere moisture deficits.

The study predicts that a continuation of these trends will likely exacerbate regional drought-induced disturbances, especially during regional dry climate phases associated with strong El Nino events.

The paper can be viewed online at http://www.nature.com/articles/srep15956. For more information call UM Professor John Kimball at 406-243-4922 or email john.kimball@umontana.edu.

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